Index of Claims

| Application No. | Applicant(s)  |  |
|-----------------|---------------|--|
| 09/544,762      | NELSON ET AL. |  |
| Examiner        | Art Unit      |  |
| M. R. Sedighian | 2613          |  |

✓ Rejected= Allowed

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| o | Objected |

| Claim | Date |           |          |          |   |  |                | :::                 | Cli           | eim      | Date  |          |          |                     |          |         |         |         | CI  | aim      | Date     |       |       |            |                      |                    |  |          |                 |   |   |        |
|-------|------|-----------|----------|----------|---|--|----------------|---------------------|---------------|----------|-------|----------|----------|---------------------|----------|---------|---------|---------|---|----------|----------|-------|-------|------------|----------------------|--------------------|--|----------|-----------------|---|---|--------|
|       |      |           |          |          |   |  |                | 1                   |               | 016      | Date  |          |          |                     |          |         |         |         | - 01  |          | $\vdash$ | 1     | T     | <u>عمر</u> | ĬΤ                   | $\overline{}$      | $\neg$                                 |          |                 |   |   |        |
| =   3 |      |           |          | - 1      |   |  |                |                     |               |          |       | <u>-</u> | Original |                     |          |         |         |         |   |          |          |       | 76    | Original   |                      |                    |  |          | ll              |   |   |        |
| Final | ᅙ    | 4         | ٠        |          |   |  |                |                     |               |          |       | Final    | ij       | ll                  | i        |         | ı       |         |   |          |          |       | Final | į          |                      |                    |  |          |                 | - 1   |   |        |
| "   d | วิ   | 04        |          |          |   |  |                |                     |               |          |       | u.       | ō        |                     |          |         |         |         |   |          |          |       | ш.    | ŏ          |                      |                    |  |          |                 |   | - 1   |        |
|       | 1    | =         | $\dashv$ | $\dashv$ |   | ⊢  | ╁              | Н                   | $\vdash$      | $\dashv$ |       |          | 51       | $\vdash$            | +        | +       | ╫       | ┿       | +   | $\vdash$ |          |       |       | 101        | +                    | +                  | ╆                                      | ╁        | ┝               | $\dashv$  | $\dashv$  | _      |
|       |      | =         | $\dashv$ | $\dashv$ |   |  | ┢              | Н                   | $\vdash$      | -        |       |          | 52       | $\vdash$            | +        |         | ╁       | +       | +   | H        |          |       | _     | 102        | -                    | ╫                  | ╁                                      | ╁        | $\vdash$        | $\dashv$  | $\dashv$  | _      |
|       |      | 글         | $\dashv$ | $\dashv$ |   |  | ┢              | Н                   | $\vdash$      | $\dashv$ |       |          | 53       | $\vdash$            | $\dashv$ | +       | +       | +-      | +-  |          | -        |       | -     |            | $\vdash$             | ╁                  | ┼                                      | ├        | $\vdash$        | +   | $\dashv$  |        |
|       |      | 큵         | $\dashv$ |          | - |  | ┢              | Н                   | $\vdash$      | $\dashv$ |       |          | 54       | ⊢┼                  | +        |         | +-      | ┿       | +   | $\vdash$ |          |       |       | 103        |                      | ╁                  | $\vdash$                               | ├        | $\vdash$        | +   | $\dashv$  |        |
|       | 5    |           | $\dashv$ | ┥        | - | $\vdash$   | $\vdash$       | Н                   | $\vdash$      | $\dashv$ |       |          | 55       | $\vdash$            | +        | +       | +       | ╁       | +   | $\vdash$ | Н        |       |       | 104<br>105 |                      | +                  | $\vdash$                               | ⊢        | $\vdash$        | +   | $\dashv$  | _      |
| 6 6   |      | =         | $\dashv$ | $\dashv$ |   | ┝  | ⊢              |                     | $\vdash$      | $\dashv$ |       |          |          | $\vdash$            | +        |         | +       | +       | +   | Н        |          |       |       |            |                      | +-                 | ╄                                      | ⊢        | ┝╌┼             | $\dashv$  | $\dashv$  |        |
| 1 9 9 |      | 4         | $\dashv$ |          |   | ⊢  | -              | Н                   | $\dashv$      | $\dashv$ |       |          | 56<br>57 | $\vdash$            | +        | +       | +       | ╁       | +   | $\vdash$ |          |       |       | 106        |                      | +                  | $\vdash$                               | -        | ├               | -   | $\dashv$  |        |
| 17 8  | _ +  | ╛         | $\dashv$ | -        |   | -  | -              | Н                   | +             | -        |       |          | 58       | $\vdash$            | +        | +       | ╫       | +       | +   | H        |          |       |       | 107        |                      | +-                 | ┾                                      | ⊢        | ┝╌┼             | $\dashv$  | -   | _      |
| 8 8   |      | 킑         | +        | ┥        |   | ├  | -              | $\vdash$            |               |          |       |          | 59       | $\vdash$            | +        |         | +       | ╫       | +   | $\vdash$ | Н        |       |       | 108        | -                    | ╫                  | ╀                                      | ⊢        | $\vdash$        | +   | $\dashv$  | _      |
|       | 0 :  | =         | $\dashv$ | ┥        |   | -  | ┢              | H                   | $\vdash$      | - :      |       |          | 60       | <del>├</del>        | +        | +       | +       | +       | +   | $\vdash$ |          |       |       | 109        | _                    | +-                 | ╁                                      | ┢        | ╌┼              | $\dashv$  | $\dashv$  | _      |
|       | 4    | $\exists$ | $\dashv$ | $\dashv$ |   | -  | ┢              | Н                   |               | -        |       |          |          | $\vdash$            |          | +       | +       | +-      | +   | $\vdash$ |          |       |       | 110        |                      | +-                 | ┢                                      | ├        | $\vdash$        | -   | -   |        |
| 10 1  | 2    | =         | $\dashv$ | $\dashv$ |   | <del>                                     </del> | ┢              | Н                   | +             |          |       |          | 61       | $\vdash$            | +        | +       | +       | ╁       | -   | $\vdash$ | Н        |       |       | 111        | $\vdash$             | +                  | ├                                      | ₩        | $\vdash \vdash$ | $\dashv$  | $\dashv$  |        |
|       | 3    | =         | $\dashv$ | $\dashv$ |   | ⊢  | ├              | Н                   | +             | -        |       |          | 62       | $\vdash$            | +        | +       | +       | ╁       | +   | $\vdash$ | Щ        |       |       | 112        | $\vdash$             | +-                 | $\vdash$                               | ├        | $\vdash \vdash$ | $\dashv$  | $\dashv$  |        |
|       |      | 7         | $\dashv$ | $\dashv$ |   | <del> </del>                                     | $\vdash$       | $\vdash$            | +             | -        |       |          | 63       | $\vdash \vdash$     | $\dashv$ |         | +-      | +       | +   | $\vdash$ |          |       |       | 113        |                      | +                  | ┼                                      | ├        | $\vdash \vdash$ | $\dashv$  | $\dashv$  | _      |
| 13 1  |      | =         | $\dashv$ | $\dashv$ |   | -  | $\vdash$       | H                   | +             | $\dashv$ |       |          | 64<br>65 | $\vdash \vdash$     | +        | +       | +       | +       | +-  | $\vdash$ | $\vdash$ |       |       | 114        | $\vdash$             | +-                 | ┼                                      | ⊢        | $\vdash \vdash$ | $\dashv$  | $\dashv$  |        |
|       | ᆰ    | =         | $\dashv$ | $\dashv$ | _ | -  | <del>  -</del> | Н                   | -+            | -        |       |          |          | $\vdash$            | +        | +       |         | +       | -   | $\vdash$ |          |       |       | 115        |                      | +-                 | ⊬                                      | ┡        | $\vdash \vdash$ | 4   | $\dashv$  |        |
| 15 1  | 위    | =         | $\dashv$ | $\dashv$ |   |  | $\vdash$       | Н                   | $\dashv$      | -        |       |          | 66       | $\vdash$            | +        | +       | +       | +-      | 1   | Н        | _        |       |       | 116        | $\dashv$             | +-                 | ↓_                                     | Ļ        | $\vdash \vdash$ | 4   | $\dashv$  |        |
|       |      | -         | +        | -        |   | ⊢  | ├-             | Н                   | $\rightarrow$ | -        |       |          | 67       | $\vdash$            | $\dashv$ | -       |         | 4       | +   | $\vdash$ | _        |       |       | 117        |                      |                    | ╄                                      | <u> </u> | $\vdash \vdash$ | 4   | $\dashv$  | _      |
| 1     |      | $\dashv$  | -        |          | _ | ⊢  | $\vdash$       | Н                   | $\rightarrow$ | -        |       |          | 68       | $\vdash$            | _        |         | +       | +       | -   | $\vdash$ |          |       |       | 118        |                      | 4_                 | _                                      | L        | $\vdash \vdash$ | -   | $\dashv$  |        |
| 1     |      | +         | -        | -        |   | ┡  | H              | Н                   | -             | -1:      |       |          | 69       | $\vdash$            |          |         | +       | 4       | ╄   | Н        |          |       |       | 119        | _ _                  | _                  | <u> </u>                               | <u> </u> | $\vdash$        | 4   | $\dashv$  |        |
| 2     |      | $\dashv$  |          | _        |   | ┞  | -              | Н                   | $-\bot$       | -        |       |          | 70       | $\vdash$            | _        | _       | 4-      | 4       | ╁   | Ш        |          |       |       | 120        |                      | $\bot$             | ļ                                      | L        | Ш               | _   | 4   |        |
| 2     |      | +         | 4        | _        |   | <u> </u>   |                |                     | $\dashv$      | -1:      | ::    |          | 71       | ${oxdot}$           | +        | 4       | 4       | 1       | -   | Ш        |          |       |       | 121        |                      | ╄                  | <u> </u>                               | <u> </u> | $\sqcup$        | _   | 4   |        |
| 2     | 2    | _         | -        | -        |   | ⊢  | <del> </del>   | Н                   | $\perp$       |          |       |          | 72       | $\vdash \vdash$     |          |         | ╀       | ╀       | -   |          | -        |       |       | 122        |                      |                    | _                                      | L        | $\sqcup$        | 4   | 4   | _      |
| 2     |      | $\dashv$  | $\dashv$ | -        |   | L  | _              | Н                   |               | -1:      |       |          | 73       | $\vdash$            | _        | _       | $\bot$  | $\perp$ | 4_  | $\sqcup$ |          |       |       | 123        |                      | _                  | ┖                                      | <u>L</u> | $\sqcup$        | _   | 4   |        |
| 2     |      | 4         | 4        | -        |   | ļ  | ⊢              | Н                   | -             | :        |       |          | 74       | $\vdash$            | 4        | _       | 4       | +       | ╄   | Ш        | $\Box$   |       |       | 124        |                      | _                  | <u> </u>                               | L.       | $\sqcup$        | _   | $\dashv$  |        |
| 2     |      | 4         | _        | _        | _ | L  | ┡              | Н                   | -             | -1       |       |          | 75       | $\vdash$            | 4        | _       | ┸       | $\bot$  | ╄-  | Ш        | Ш        |       |       | 125        |                      | _                  | ļ                                      | L        |                 | _   | 4   |        |
| 2     |      | -+        | $\dashv$ | -        |   | <u> </u>   | ┡              | Ш                   |               | -        |       |          | 76       |                     | 4        | _       | 4       | ╀       | +-  | Ш        |          |       |       | 126        |                      | $\bot$             | ╙                                      | _        |                 | _   | $\dashv$  |        |
| 2     |      | -         | -        | -        | _ |  | _              | $\vdash$            | $\dashv$      | -        |       |          | 77       | $\vdash$            | 4        | 4       | $\bot$  | 4-      |   | Ш        |          |       |       | 127        | _                    | $\perp$            |  | <u> </u> | $\sqcup$        | _   | $\dashv$  |        |
| 2     |      | +         | 4        | 4        |   |  | <b> </b> _     | $\sqcup$            |               |          |       |          | 78       | $\Box$              | 4        | 4       | $\bot$  | $\perp$ | <del> </del>  | Ш        |          |       |       | 128        | _ _                  | _                  |  | L        |                 | _   | $\dashv$  |        |
| 2     |      | -         |          | 4        | _ | <u> </u>   | <del>  _</del> | $\vdash$            | $\dashv$      | -1       |       |          | 79       | 1                   | 4        | 4       | 4-      | 4       | ↓_  | Ш        |          |       |       | 129        |                      | _                  |  | L        | $\sqcup$        | _   | $\dashv$  |        |
| 3     |      | -         | -+       | -        | _ | <u> </u>   | _              | $\sqcup$            | _             | -48      |       |          | 80       | $\vdash$            | 4        |         | 4       | 4       | ↓_  | Ш        |          |       |       | 130        | _ _                  | ┷                  | $oldsymbol{oldsymbol{oldsymbol{eta}}}$ | L        | $\sqcup$        | _   | 4   |        |
| 3     |      | -         | -+       | _        | _ | <u> </u>   | <u> </u>       | Ш                   | _             | -1       |       |          | 81       |                     | $\dashv$ | _       | $\perp$ | 4       | <del> </del>  | Ш        |          |       |       | 131        |                      | $oldsymbol{\perp}$ |  |          | <u> </u>        | _   | _   |        |
| 3.    |      | 4         | 4        | _        |   | _  |                |                     | _             | 4        |       |          | 82       | $\perp$             | $\perp$  | _       | ┸       | $\bot$  | ╄   |          |          |       |       | 132        |                      | 1_                 |  |          |                 |   |   |        |
| 3:    |      | -         | _        | 4        | _ | <u> </u>   | $\vdash$       | Щ                   | _             | 4        |       |          | 83       | $\sqcup$            | 4        | 4       | 4       | 4-      | $\perp$   | Ш        |          |       |       | 133        | $\perp$              | 1                  | 1_                                     | L        | Щ               | _   | <b>⅃</b>  |        |
| 3     |      | $\dashv$  | $\dashv$ | _        |   | <u> </u>   | Ш              | Ш                   | _             | 4        | :::   |          | 84       | $\sqcup$            | _        | $\perp$ | $\bot$  | 1       | $\perp$   |          |          |       |       | 134        | $\perp \!\!\! \perp$ | ↓_                 | _                                      | Ш        | Щ               |   | _   |        |
| 3     |      | $\dashv$  | $\dashv$ | _        | _ |  | Ш              | $\sqcup$            | _             | 4        | ∷,    |          | 85       | $\sqcup$            | _        | $\perp$ | 1       | 1       | _   | Ш        |          |       |       | 135        |                      | <u> </u>           | <u> </u>                               | Ш        | $\sqcup$        | $\perp$   | ┙   | _      |
| 30    |      | $\dashv$  | 4        |          |   | <u> </u>   | Н              | $\vdash \vdash$     | $\dashv$      | 4        | iii). |          | 86       | $\sqcup$            |          | $\perp$ | 4       | +       | $\bot$  | Ш        |          |       |       | 136        |                      | ↓_                 | ┞                                      |          | $\sqcup$        |   | $\dashv$  |        |
| 3     |      | $\dashv$  | 4        | 4        | _ | <u> </u>   | Ш              |                     | _             | 4        | ii).  |          | 87       | $\sqcup$            | $\perp$  | $\perp$ | 4       | 4       | $\perp$   | $\sqcup$ |          |       |       | 137        | $\perp$              | 4_                 | $\perp$                                | Ш        | Ц.              | $\perp$   | _   |        |
| 3     |      | 4         | +        | _        | _ | <u> </u>   | Ш              | $\sqcup$            | -             | _        |       |          | 88       | $\sqcup$            | $\perp$  | $\bot$  | $\bot$  | 4       | ╄   | $\sqcup$ |          |       |       | 138        |                      | $\bot$             | <b> </b>                               |          | $\sqcup \bot$   | _ _   | _   |        |
| 3     |      | $\dashv$  | $\dashv$ | _        | _ | L.,  | Щ              | $\sqcup$            | -             | _        |       |          | 89       | $\sqcup \downarrow$ | $\perp$  | $\perp$ | $\perp$ | $\bot$  | 4_  | Ш        |          |       |       | 139        |                      | 丄                  | <u> </u>                               |          | $\sqcup$        | _ _   | _   |        |
| 41    |      | $\dashv$  | $\dashv$ | 4        |   | Щ.   | Ш              | Щ                   | _             | _        |       |          | 90       | $\sqcup$            | $\perp$  | $\perp$ | $\perp$ | 4_      | _   | Ш        |          |       |       | 140        |                      | 上                  | <u> </u>                               |          | $\sqcup$        | _[_   | $\perp$   |        |
| 4     |      | $\perp$   | 4        | $\dashv$ | _ | <u> </u>   | Щ              | Щ                   | _             | _        |       |          | 91       | $\sqcup$            | $\perp$  | $\perp$ | $\perp$ | $\bot$  | ↓_  | Ш        |          |       |       | 141        |                      | $oldsymbol{\perp}$ | <u> </u>                               | L        | $\sqcup \bot$   | _ _   |   |        |
| 4:    |      | $\dashv$  | +        | $\dashv$ |   |  | Щ              | Ļ.↓                 | $\dashv$      | _        |       |          | 92       | Ц                   | _L       | $\perp$ | $\perp$ | $\perp$ | 1_  | Ш        |          |       |       | 142        |                      | $\perp$            | _                                      | $\sqcup$ | $\Box$          | $\perp$   | $\perp$   |        |
| 4     |      | 4         | 4        | 4        | 4 | Щ.   | Ш              | $\sqcup$            |               | 4        |       |          | 93       | $\sqcup$            | $\perp$  | _ _     | $\perp$ | $\perp$ | $\perp$   | Ш        |          |       |       | 143        | _ _                  | $\perp$            | $\perp$                                | <u> </u> |                 | $\perp$   | $\perp$   |        |
| 44    |      | 4         | $\bot$   | $\dashv$ | _ | $oxed{\Box}$                                     | Щ              | Ш                   |               | _        |       |          | 94       | $\sqcup$            | $\perp$  | $\perp$ | 丄       | 1       | 1   | Ш        |          |       |       | 144        |                      | _                  | _                                      |          |                 | $\perp$   | $\perp$   |        |
| 4:    |      | _         | _        | _        |   |  | Ш              | Щ                   | $\perp$       | _        |       |          | 95       |                     |          | $\perp$ | $\perp$ | $\perp$ | $oldsymbol{ol}}}}}}}}}}}}}}}}}$ |          |          |       |       | 145        |                      | $\perp$            | $oxed{oxed}$                           |          |                 |   | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$   |        |
| 40    | 6    |           |          | _        | _ |  | Ш              | $\sqcup \downarrow$ |               | _        | :::   |          | 96       |                     |          | $\perp$ |         |         |   |          |          | ::::[ |       | 146        |                      |                    |  |          |                 | $\Box$  | $oldsymbol{ol}}}}}}}}}}}}}}}$ |        |
| 4     |      | $\perp$   | $\perp$  | $\perp$  |   |  | Ш              | ot                  | $\perp$       | _        | ij,   |          | 97       |                     |          |         |         |         |   | Ш        |          | [     |       | 147        |                      | $\perp$            | oxdot                                  |          |                 | $\Box$  | $\Box$  |        |
| 48    |      | _         | 4        | 4        | _ | Ш  | Ш              |                     | $\perp$       | _        | ı.    | ]        | 98       |                     |          |         |         |         | oxdot   | Ш        |          | [     | ]     | 148        |                      |                    |  |          |                 | $oldsymbol{ol}}}}}}}}}}}}}}}$ | $oldsymbol{ol}}}}}}}}}}}}}}}$ |        |
| 49    |      | $\perp$   | $\perp$  | 4        |   |  | Ш              | $\Box$              | $\perp$       | _        | :::[  |          | 99       |                     |          |         | Ĺ       | L       | تـــا   | oxdot    |          | [     |       | 149        |                      | L                  | 匚                                      |          |                 | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{I}}}$  |   |        |
| 50    | 0    |           |          |          |   |  | l I            |                     |               |          | :::[  |          | 100      |                     | T        |         |         | 1       |   | ıΤ       |          | [     | T     | 150        |                      |                    |  |          |                 | T   | T   | $\neg$ |